**Praveen V Batchu**

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**SUMMARY**

* Over 15 years of experience in the IT industry, with a wide range of experience in Database Administration, System Analysis, Design, Development, Testing & Support of MS SQL Servers in Production, Development environments & Replication Environments.
* Upgrading of Database from SQL Server 2000 to 2005 and 2008/R2 version.
* Provided optimal database file layout for utilization of storage and performance acceptable to the client.
* Developed & maintained scripts, utility jobs or implemented needed software for database maintenance.
* Implemented & managed database clustering, failover and load balance technologies as per client requirement.
* Developed, tested & implemented a robust database backup and recovery strategy with client assistance.
* Database recoveries as per requirements.
* Conducted root cause and analysis for database incidents and problems.
* Participated in designing, testing and implementing an enterprise Disaster Recovery Plan.
* Monitored data activities (i.e. database status, logs, space utilization, extents, Checkpoints, locks and long transactions).
* Set up security and access profiles and procedures for database system administrators.
* Complied with standard security-related procedures that are based on established best practices and conformity to company policy and adjusted to accommodate Client Security Policy based on mutual agreement.
* Interfaced with database vendors & client technical support teams to isolate & resolve database related problems.
* Implemented MS SQL Cluster (Active/Passive & Active/Active), Multi Node Cluster.
* Handled Logical Data and Index partitioning for large tables in SQL Server 2005 and 2008.
* Expertise in MSSQL SERVER Database Administration.
* Set up Log Shipping, MSSQL Mail, SMTP
* Created, administered & maintained SQL Server Databases (Production, Development, Test & Staging Environments) for various Database users such as Developer, QA, DA, Business User and ensured High Availability of Database Server.
* Created a replication environment from the transactional system for reporting needs.
* Scanned the data pages, Indexes and checked the storage space used by each table.
* Suggested, developed & implemented Scaling out solution with Data partitioning.
* Managed security by defining roles and rights.
* Handled Fine Tuning Operating System in-coordination with Server and Network Administrator to utilize the maximum resources for Database and Applications.
* Monitored the database server performance and if required go for tuning of the TSQL queries, Stored procedures etc.
* Experienced in **OLTP**/**OLAP** environment with SQL Server 2000/2005/2008/R2.
* Expertise in importing and exporting the data between homogeneous and heterogeneous systems using various **Extraction Transformation and Loading (ETL)** tasks.
* Proficient in implementing business crucial logic and implementing them in backend using efficient stored procedures and functions.
* Expert in strategically implementing the indexes such as **Clustered index, Non-Clustered index, covering index** appropriately on data structure to achieve faster data retrieval.
* Extensive knowledge of Relational Database Management Systems
* Expert in installation of **SSRS** and report server configuration.
* Expert in Generating reports using **SQL server reporting services.**
* Experience in creating reports with **Report Builder** and **Report Server Project** & programming **Reporting Services.**
* Writing dashboards with **PerformancePoint Server** and deploying to **SharePoint Portals.**
* Possess expertise in supporting and troubleshooting very large databases.
* Ability to create **Cubes** using **SQL Server Analysis Services** and write reports of **OLAP Cubes**.

**EDUCATION & CERTIFICATION**

BS in Electronics & Communication Engineering.

**Microsoft Certified Professional** in Microsoft 2005 Business Intelligence – Implementation and Maintenance

**Microsoft Certified Professional** in Microsoft 2008 Business Intelligence – Implementation and Maintenance

**Microsoft Certified Professional** in Microsoft SQL Server 2005 - Implementation and Maintenance

**Microsoft Certified IT Professional (MCITP)** in Microsoft SQL Server 2005 - Designing a Business Intelligence Infrastructure by Using Microsoft SQL Server 2005

**TECHNICAL SKILLS**

**Databases:** SQL Server 2014/2012/2008/2005/2000/7.0/6.5, MS Access2003/2007, MySQL, PostgreSQL, Oracle

**Languages:** ASP.Net, ADO.Net, T-SQL, HTML, VB Scripts, XML, MS - FrontPage

**Microsoft Office Tools:** Power Point, Word, Excel

**Web Servers:** IIS

**Modeling Tools:** ERwin Data Modeler, MS Visio

**Operating Systems:** Windows 2003**/**2000 Server, Windows 95/98/2000/XP, Windows NT, UNIX, Linux

**Tools and Packages:** SQL Management Studio, Enterprise Manager, **SQL** **Reporting services,** Query Analyzer, **SQL Server Integration Services**, **SQL Server Analysis**, Microsoft Performance Point Server 2007, Brio, Crystal Reports, Business Objects, BIDS Helper, Domo, Tableau, Power BI, Google Bigquery, Amazon Redshift, Amazon S3, Aginity, HeidiSQL, Databricks, Azure Data Factory, Azure Synapse Analytics, Workday, Snowflake

**PROFESSIONAL EXPERIENCE**

**Multnomah County, Portland, OR August 2015 – Till Date**

**Sr. Database Developer**

Build enterprise cloud and on-premise BI applications for various departments within the agency. Design and developed Health Information Warehouse by integrating data from third-party applications like EPIC and other internal applications. Provide business users better visibility in understanding, exploring data and help make better decisions.

**Responsibilities:**

* Analyze business processes and design datamarts for various systems.
* Create an ETL framework for the SSIS packages with logging, error handling and e-mail notification.
* Query Active Directory data using ADSI/LDAP linked server.
* Import and Export of data from Google Sheets using Google Apps Script.
* Import data from third party applications via an api using C# in an SSIS script task.
* SFTP files from external vendor systems using SSIS and load data into the datamart.
* Expose SQL Server data as an api to other internal applications.
* User database object promotion as part self-service BI by creating Single Page Web Application & Google forms.
* Write stored procedure to translate views created by the business users in UAT environment to Tables in Production and copy data using C# SqlBulkCopy class.
* C# SMO to script objects created by the users in the user development database in the UAT environment and deploy them to a User shared Datamart database.
* Using Windows Powershell and Sliksvn command line to check in .sql files into the SVN source control repository and send out an email notification.
* Execute remote stored procedures using linked server, bcp queryout to a data file and import data file using bulk insert into the datamart.
* Create system integration ASP.net web api (GET, POST, DELETE) methods for moving data between multi-cloud applications.
* Automate publish of SSRS and Power BI reports using SSIS.
* Import RESTful api JSON payload using Python in Azure Databricks as blob on to Azure Data Lake Storage Gen2.
* Copy daily feed of flat files from an FTP server, delete duplicate data and merge all the files from different counties and store on Azure Data Lake Storage Gen2 using Python and ingest data into Azure SQL Database using Azure Data Factory as the orchestrator for the data integration pipeline.
* Build a central data repository of Finance data in Amazon Web Services Redshift database and Human Resources data in Snowflake by integrating data from different counties and vendor applications residing on Oracle, MySQL, PostgreSQL, SQL Server database by creating data integration pipelines using Databricks notebooks.
* Develop the backend for an intranet application developed in Python and MySQL.

**Environment:** Visual Studio 2013**,** SQL Server 2014/2012, C#, ASP.net, Tableau, Domo, Windows PowerShell, Google Cloud Platform, Google Big Query, Google Apps Script, Javascript, Workday, Python, Databricks, Microsoft Azure, Azure Data Factory, Azure Synapse Analytics, Snowflake, AWS, Amazon Redshift, Oracle, MySQL, PostgreSQL, Power BI.

**Oregon Dept. of Fish and Wildlife, Salem, OR June 2012 – July 2015**

**Sr. Database Developer**

The Coded Wire Tag (CWT) Data system is used by fisheries biologists to manage salmon and steelhead stocks in the Pacific fisheries. As a team member on the CWTF team worked on improving data Accuracy and Expedition of Report Validation for Coded Wire Tag Releases and Recoveries in Oregon.

**Responsibilities:**

* Participate in design and development meetings for CLAM & CWTF projects with the Product owners to report on migrated data from UNISYS to SQL Server.
* T-SQL Programming for writing Stored Procedures, Triggers, Functions, Common table expressions according to business needs and internals of query optimization and performance tuning analyzing execution plan.
* Developed complex stored procedures with dynamic SQL, pivot functionality as dataset for the reports.
* Wrote reports in SQL Server Reporting Services against SQL Server Database.
* Designed drill through, drill down, tabular, cross tab, matrix, linked reports in SQL Server Reporting Services.
* Created SSRS reports by using components like grouping, sorting, filters, and Expression Builder.
* Wrote custom reports for Columbia River Management, Willamette River Sport & Commercial Fisheries project.
* Created Furtaker Renewal License Application in SSRS for CLAM & integrating these reports in .NET web application.
* Created datasets to generate ad-hoc reports for business user analysis of data using Report Builder.

**Environment:** Visual Studio 2008**, SQL Server 2008 R2, SQL Server Management Studio, SQL Server Reporting Services (SSRS),** Business Intelligence Development Studio, SharePoint Server 2010, Team Foundation Server 2008.

**Microsoft Corporation, Bellevue, WA January 2010 – June 2012**

**Database and Business Intelligence Developer**

**Responsibilities:**

* Played a key role in **AdCenter-BICI** team for **Unified Search Project**. Unified Search deals with centralized data pertinent to Bing business. This covers all audience usage and engagement on a daily, weekly and monthly basis.
* Worked on **BICI Dimensions Project**. BICI Dimensions deals with maintaining a centralized dimension repository for BICI projects and capturing AdCenter-CDR and Auto Discovered Dimensions.
* Implementing the ETL Framework for extracting the data from Source files and loading them to the corresponding Dimensions and Facts.
* Worked with MS Build for auto deployment of Database, Cubes and Reports.
* Performance tuning and optimizing T-SQL code.
* Script task in SSIS to create folder dynamically based on source file received.
* Dynamic deployment and execution of SSIS package via **DTUTIL** & **DTEXEC** utility.
* Designed and deployed drill through, linked, bubble, map reports and implement data driven subscriptions.
* Auto deploy of SSRS reports programmatically **RS** utility.
* ASTraceDB, SQL Profiler, Activity Monitor for logging and optimizing MDX queries.
* Created bottom count, top count, cross join, movingaverages, period over period **MDX** query for **Calculations** and **KPI’s** on a cube.
* Created **Roles** using **SSAS** to restrict cube properties. Implemented cell level security in cubes with **MDX** expressions to restrict users of one region seeing data of another region using **SSAS**.
* Working knowledge on Visual Studio 2008 and Team Foundation Server.
* Worked with the business team for understanding the business functionality and strategies to implement them.
* Worked closely with the QA team for triaging bugs, providing production support.
* Released builds, dropped patches and hotfixes.
* Experience in developing design documents, data flow diagrams, ER models and technical specification documents.
* Automate deployment of database projects in Dev, QA and Prod environments using **SQLCMD** utility.

**Environment:** Visual Studio 2008, **SQL Server 2008**, **SQL Server Reporting Services (SSRS)**, **SQL Server Integration Services (SSIS)**, **SQL Server Analysis Services (SSAS)**, SQL Profiler, Business Intelligence Development Studio, Team Foundation Server, Usage Planning Tool, ASTraceDB.

**Merkle Inc., Denver, CO February 2009 – December 2009**

**Sr. Database and Business Intelligence Developer**

Merkle is a leading database marketing agency. Offer a quantitative, information-based solution that maximizes return on marketing investment, provides the framework for organizations to aggressively apply database marketing strategies to their marketing programs. Designed and Implemented the Email Campaign Program for Samsung client at Merkle.

**Responsibilities:**

* Participated in developing the design, development and implementation strategy by working on deliverables such as **Logical** and **Physical Architecture** and **Process Architecture** and Created database for the new application.
* Installation and configuration of SQL Server 2008 Database and Business Intelligence Development Studio.
* Actively participated in gathering user requirements and system specifications
* Architect the whole migration process, designed and maintained ETL Design Documents based on Mapping & Use Case documents.
* Rewriting PL/SQL code in T-SQL.
* Designed **SSIS** packages to load hundreds of source files, legacy system (ORACLE) and make sure that it first loads into staging and then to normalized tables.
* Designed high performing **SSIS** packages to include error handling.
* Designed and developed an automated process in **SSIS** to load data on a monthly basis using SSIS over a secure **FTP** (SFTP) link.
* Created **SSIS** packages and stored procedures to load billions of records in batches thus reducing the transaction log and improving performance.
* Maintained Revision history in the tables that load data from **SSIS** packages.
* Migrated data from flat file to SQL Server 2008, using **Cache** Transform for lookup, **Data Profiling** Task to load the data in a temporary SQL Server Table, **Merge** command in Execute SQL Task to load data to a Warehouse.
* Extract data from XML data file and load them to SQL Server Tables using SSIS package.
* Involved in writing scripts for archiving files into the particular folder and unzip files by using Script Task.
* Created monthly, quarterly and ad-hoc reports to facilitate sales data and membership group details to compare data against Vendor Supplied Reports.
* Created maintenance reports by using various components like **Grouping, Sorting, Filters,** and **Navigation**.
* **Bookmarks** in the reports and having hands-on experience in writing expressions.
* Developed **Linked reports and Subreports** as per user and business specifications.
* **MDX queries** to extract data out of cubes for period over period reporting.
* Scheduled report delivery in formats like PDF, excel file, CSV and text files by creating subscriptions on the report server to business users as a IE request or as a mail attachment.
* Performance tuning queries against **VLDB**.
* Package configuration for **SSIS** packages for moving Packages across various environments like Dev, SI, QA, UAT and Prod.

**Environment:** Visual Studio 2005/2008, **SQL Server Management Studio**, **SQL Server Reporting Services (SSRS)**, **SQL Server Integration Services (SSIS)**, **SQL Server Analysis Services (SSAS)**, Business Intelligence Development Studio, SharePoint Portal Server 2007, MS Office, Oracle 9i.

**Steelcase Inc., Grand Rapids, MI September 2007 – January 2009**

**Database and Business Intelligence Developer**

Steelcase is a leading furniture manufacturing company in the United States. An integral part of the Supply Chain Management & Logistics team. Designed and developed the Steelcase Transportation Management System. The objective of the Logistics Intelligence project is to provide the business organization to have clarity on the shipment moves and pre-estimate the cost and provide a web based solution that will expand reporting, trending and forecasting capabilities for a better Transportation Management System & Shipment visibility. The Shipment out of Factory Distribution Center (FDC) to any of the Regional Distribution Center (RDC) is called Shuttle Shipment (CST) if it is directly going to the Customers is called Direct Shipment and if it is going to the Customer from any of the Regional Distribution Center (RDC) is called RDC Delivery; these shipments are called ‘Outbound’. The Shipment which carries raw materials to the FDC from a Vendor or Supplier is called ‘Inbound’. We are trying to pre-estimate the total cost of Shipment using a Pre-Rating procedure, to make the shipment moves cost effective. Optimize the reporting and analysis tools in development, improve the integrity of the data that originates from multiple freight management processes currently in use throughout the organization. Integrate data using **DTS, SSIS** and write Transport Management reports using **SSRS**.

**Responsibilities:**

* Migrated data from Access, SQL Server 2000 database to SQL Server 2005.
* Created Dynamic Tables, SQL queries, translated PL/SQL stored procedures in T-SQL.
* Designed SSIS packages for extracting the data from multiple data sources and loading into the appropriate tables in the database.
* Upload data in the database by using SSIS & DTS package (SAP, Flat Files, HTML files and SQL Server).
* DataFlow tasks like Conditional Split, Derived Column, Data Conversion, Fuzzy Grouping, and Merge to apply business logic in SSIS.
* Build the conceptual and Logical model for the Data Mart using Visio.
* Involved in Gathering the requirements and Designing the Reports using **Crystal, WebI and DeskI.**
* Crystal Enterprise Administrator for determining the rights and authorizations of report users.
* Extensively used formulas fields, parameter fields, Group selection, record selection, and Crystal syntax in Crystal reports.
* Involved in Creating **LOV’s, Business Views, Data Elements, Data Foundations, Data Connections** using **Business View Manager**.
* Published Reports to CMC (**Central Management Console**) and involved in **Scheduling** and **exporting** the reports in different Formats.
* VSS for Version Control for updating any package and Stored Procedures.
* Involved in the design, development and implementation strategy by working on deliverables such as **Logical** and **Physical Architecture** and **Process Architecture** and created a database for the new application.
* Generated scripts for the current database and did the aggregation for the new system.
* Deployed all the reports and **SSIS packages** on to the **SharePoint Portal**.
* Created a Web page on SharePoint site for our team and deployed all files in it.
* Writing reports using **MDX** queries to create calculated members, time related functions for year over year analysis, drill through functionality.
* Designed Stored Procedures for Adjustments calculation.
* Created SSRS reports by using components like grouping, sorting, filters, and Expression Builder.
* Designed layouts and created template reports for future use.
* Created reports using components like grouping, sorting, filter, expression builder, graphs, matrix control for cross tab, linked & Ad – hoc reports using Report Model & Report Server Projects.
* Migrating reports from SQL Server 2000 re-designed MS – Access & Excel reports to SQL Server 2005.
* Re-designed DTS packages in SSIS 2005 designer.
* Deploy reports on to the **SharePoint Portal**.
* Used VSS for updating the latest version if any changes are applicable in the file or package.
* Used the Model-View-Controller & Agile principles for designing the TMS website.

**Environment:** Visual Studio 2005, **SQL Server Management Studio**, SQL Server Enterprise Manager, SQL Server Query Analyzer, SQL Server 2000 DTS, T-SQL, **SQL Server reporting services (SSRS)**, **SQL Server Integration Services (SSIS)**, Power Point, Office, **SQL Server Analysis Services (SSAS)**, Excel 2003/2007, MS – Access, **SharePoint Services, Crystal Reports, Visual Studio .Net 2005**, MS Performance Point Server 2007, Oracle 9i.

**OLCC, Beaverton, OR October 2006 – August 2007**

**Database Developer**

Conducted statewide Compensation Study for Oregon Liquor Control Commission, sought input from every Oregon liquor agent. Architect, design, develop, test, maintain, analyze and create repositories for data collected. Meeting with the business analysts and collecting requirements for the reports. Using **SQL Server Reporting Services** designed analysis reports**,** agentsdoing good or bad business, factors affecting their business. Work involved integrating data from heterogeneous data sources, development and **report writing.**

**Responsibilities:**

* Maintaining records in Excel Spread and exporting data into SQL Server Database using SQL Server Integration Services.
* Performance tuning, query optimization and analyze execution plan of queries for better performance.
* SSRS installation and report server configuration.
* Developed table control, matrix control for cross tab reports using **SSRS 2005**.
* Writing queries to generate ad-hoc reports for analysis of data using **Report Builder**.
* Designed and created **Report templates**, bar graphs and pie charts based on the financial data.

**Environment:** Visual Studio 2005, **SQL Server Management Studio**, T-SQL, **SQL Server reporting services (SSRS)**, **SQL Server Integration Services (SSIS)**, MS Power Point, MS Office, MS Excel.